

MEDICAL PHYSICS

Second Term, Week 1

13 - 17 January 2014

<i>Hours</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
<i>9-10</i>					
<i>10-11</i>					
<i>11-12</i>					
<i>12-13</i>					
<i>13-14</i>					
<i>14-15</i>					
<i>15-16</i>	Lasers in Medicine	Lasers in Medicine	Lasers in Medicine	Lasers in Medicine	Lasers in Medicine
<i>16-17</i>	Lasers in Medicine	Lasers in Medicine	Lasers in Medicine	Lasers in Medicine	Lasers in Medicine
<i>17-18</i>	Lasers in Medicine	Lasers in Medicine	Lasers in Medicine	Lasers in Medicine	Lasers in Medicine

Subjects / Teachers:

Lasers in Medicine: S. Couris

NOTES:

Lectures will be given at Computer Lab, 1st floor, building of the School of Medicine

MEDICAL PHYSICS

Second Term, Week 2

20 - 24 January 2014

<i>Hours</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
<i>9-10</i>		Radiation - Matter Interaction	Radiation - Matter Interaction	Radiation - Matter Interaction	Radiation - Matter Interaction
<i>10-11</i>	Radiation - Matter Interaction	Radiation - Matter Interaction	Radiation - Matter Interaction	Radiation - Matter Interaction	Radiation - Matter Interaction
<i>11-12</i>	Radiation - Matter Interaction	Radiation - Matter Interaction	Radiation - Matter Interaction	Radiation - Matter Interaction	Radiation - Matter Interaction
<i>12-13</i>	Radiation - Matter Interaction	Radiation - Matter Interaction	Radiation - Matter Interaction	Radiation - Matter Interaction	Radiation - Matter Interaction
<i>13-14</i>					
<i>14-15</i>					
<i>15-16</i>	Practical in Radiation - Matter Interaction	Practical in Radiation - Matter Interaction	Practical in Radiation - Matter Interaction	Practical in Radiation - Matter Interaction	
<i>16-17</i>	Practical in Radiation - Matter Interaction	Practical in Radiation - Matter Interaction	Practical in Radiation - Matter Interaction	Practical in Radiation - Matter Interaction	
<i>17-18</i>		Practical in Radiation - Matter Interaction	Practical in Radiation - Matter Interaction	Practical in Radiation - Matter Interaction	

Subjects / Teachers:

Radiation - Matter Interaction (27 h): R. Speller, J. Horrocks, Ν. Παπανικολάου, Δ. Μιχαηλίδης

NOTES:

Lectures will be given at Computer Lab, 1st floor, building of the School of Medicine

MEDICAL PHYSICS

Second Term, Week 3

27 - 31 January 2014

<i>Hours</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
<i>9-10</i>	Radiation - Matter Interaction	Radiation - Matter Interaction	Radiation - Matter Interaction	Holiday	
<i>10-11</i>	Radiation - Matter Interaction	Radiation - Matter Interaction	Radiation - Matter Interaction		
<i>11-12</i>	Radiation - Matter Interaction	Radiation - Matter Interaction	Radiation - Matter Interaction		
<i>12-13</i>	Radiation - Matter Interaction	Radiation - Matter Interaction	Radiation - Matter Interaction		
<i>13-14</i>					
<i>14-15</i>					
<i>15-16</i>	Practical in Radiation - Matter Interaction				
<i>16-17</i>	Practical in Radiation - Matter Interaction				
<i>17-18</i>	Practical in Radiation - Matter Interaction				

Subjects / Teachers:

Radiation - Matter Interaction (15 h): Ν. Παπανικολάου, Δ. Μιχαηλίδης

NOTES:

Lectures will be given at Computer Lab, 1st floor, building of the School of Medicine

MEDICAL PHYSICS

Second Term, Week 4

03 - 07 February 2014

<i>Hours</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
<i>9-10</i>					
<i>10-11</i>	Physics of Nuclear Medicine	Physics of Nuclear Medicine		Physics of Nuclear Medicine	Physics of Nuclear Medicine
<i>11-12</i>	Physics of Nuclear Medicine	Physics of Nuclear Medicine		Physics of Nuclear Medicine	Physics of Nuclear Medicine
<i>12-13</i>	Physics of Nuclear Medicine	Physics of Nuclear Medicine		Physics of Nuclear Medicine	Physics of Nuclear Medicine
<i>13-14</i>	Physics of Nuclear Medicine	Physics of Nuclear Medicine		Physics of Nuclear Medicine	Physics of Nuclear Medicine
<i>14-15</i>	Physics of Nuclear Medicine	Physics of Nuclear Medicine		Physics of Nuclear Medicine	Physics of Nuclear Medicine
<i>15-16</i>					
<i>16-17</i>					
<i>17-18</i>					

Subjects / Teachers:

Physics of Nuclear Medicine (20 h): J. Kandarakis (Mo), J. Valais (Tue), G. Loundos (Thu, Fri)

NOTES:

*Lectures will be given at Computer Lab, 1st floor, building of the School of Medicine

MEDICAL PHYSICS

Second Term, Week 5

10 - 14 February 2014

<i>Hours</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
<i>9-10</i>					
<i>10-11</i>	Physics of Nuclear Medicine		Physics of Nuclear Medicine	Physics of Nuclear Medicine	Physics of Nuclear Medicine
<i>11-12</i>	Physics of Nuclear Medicine		Physics of Nuclear Medicine	Physics of Nuclear Medicine	Physics of Nuclear Medicine
<i>12-13</i>	Physics of Nuclear Medicine		Physics of Nuclear Medicine	Physics of Nuclear Medicine	Physics of Nuclear Medicine
<i>13-14</i>	Physics of Nuclear Medicine		Physics of Nuclear Medicine	Physics of Nuclear Medicine	Physics of Nuclear Medicine
<i>14-15</i>	Physics of Nuclear Medicine		Physics of Nuclear Medicine	Physics of Nuclear Medicine	Physics of Nuclear Medicine
<i>15-16</i>					
<i>16-17</i>					
<i>17-18</i>					

Subjects / Teachers:

Physics of Nuclear Medicine (20 h): J. Kandarakis (Mo), G. Foundos (Wed, Thu, Fri), E. Kounadi (Wed, Thu, Fri)

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MEDICAL PHYSICS

Second Term, Week 6

17 - 21 February 2014

<i>Hours</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
<i>9-10</i>					
<i>10-11</i>	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition
<i>11-12</i>	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition
<i>12-13</i>	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition
<i>13-14</i>	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition
<i>14-15</i>	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition
<i>15-16</i>	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition	Medical Image Analysis & Pattern Recognition
<i>16-17</i>					
<i>17-18</i>					

Subjects / Teachers:

Medical Image Analysis & Pattern Recognition (30 h): I. Kalatzis, S. Kostopoulos

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MEDICAL PHYSICS

Second Term, Week 7

24 -28 February 2014

<i>Hours</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
<i>9-10</i>					
<i>10-11</i>	Physics of Diagnostic Radiology	Physics of Diagnostic Radiology	Physics of Diagnostic Radiology	Physics of Diagnostic Radiology	Physics of Diagnostic Radiology
<i>11-12</i>	Physics of Diagnostic Radiology	Physics of Diagnostic Radiology	Physics of Diagnostic Radiology	Physics of Diagnostic Radiology	Physics of Diagnostic Radiology
<i>12-13</i>	Physics of Diagnostic Radiology	Physics of Diagnostic Radiology	Physics of Diagnostic Radiology	Physics of Diagnostic Radiology	Physics of Diagnostic Radiology
<i>13-14</i>	Physics of Diagnostic Radiology	Physics of Diagnostic Radiology	Physics of Diagnostic Radiology	Physics of Diagnostic Radiology	Physics of Diagnostic Radiology
<i>14-15</i>	Physics of Diagnostic Radiology	Physics of Diagnostic Radiology	Physics of Diagnostic Radiology	Physics of Diagnostic Radiology	Physics of Diagnostic Radiology
<i>15-16</i>					
<i>16-17</i>					
<i>17-18</i>					

Subjects / Teachers:

Physics of Diagnostic Radiology (25h): J. Kandarakis (Mo, Tue), N. Kalyvas (Wed, Thu, Fri), Liaparinos (Thu, Fri)

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MEDICAL PHYSICS

Second Term, Week 8

03 - 07 March 2014

Hours	Monday	Tuesday	Wednesday	Thursday	Friday
9-10					
10-11			Physics of Diagnostic Radiology	Αικ. Σκουρολιάκου: Μη ιοντίζουσες ηλεκτρομαγνητικέ ς ακτινοβολίες έως 300GHz Μέτρηση - Δοσιμετρία - Ορια έκθεσης	Physics of Diagnostic Radiology
11-12			Physics of Diagnostic Radiology		Physics of Diagnostic Radiology
12-13			Physics of Diagnostic Radiology		Physics of Diagnostic Radiology
13-14					Physics of Diagnostic Radiology
14-15					
15-16					
16-17		Physics of Diagnostic Radiology			
17-18		Physics of Diagnostic Radiology			

Subjects / Teachers:

Physics of Diagnostic Radiology: S. Efstathopoulos (Tue, Wed), E. Skouroliakou (Thu)
G. Foundos (Fri)

MEDICAL PHYSICS

Second Term, Week 09

10 - 14 March 2014

<i>Hours</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
<i>9-10</i>					
<i>10-11</i>					
<i>11-12</i>					
<i>12-13</i>		EXAMS Radiation-Matter interaction			
<i>13-14</i>					
<i>14-15</i>					
<i>15-16</i>					
<i>16-17</i>					
<i>17-18</i>					

Subjects / Teachers:

MEDICAL PHYSICS

Second Term, Week 10

17 - 21 March 2014

<i>Hours</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
<i>9-10</i>					
<i>10-11</i>					
<i>11-12</i>	EXAMS Physics of Diagnostic Radiology				
<i>12-13</i>					
<i>13-14</i>					
<i>14-15</i>					
<i>15-16</i>			EXAMS LASERs in Medicine		EXAMS Physics of Nuclear Medicine
<i>16-17</i>					
<i>17-18</i>					

Subjects / Teachers:

MEDICAL PHYSICS

Second Term, Week 11

24 - 28 March 2014

<i>Hours</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
<i>9-10</i>		National Holiday	EXAMS Image analysis & Pattern recognition		
<i>10-11</i>				Physics of Radiation Therapy I (C. Kappas)	Physics of Radiation Therapy I (C. Kappas)
<i>11-12</i>			Physics of Radiation Therapy I (K. Theodorou)	Physics of Radiation Therapy I (C. Kappas)	Physics of Radiation Therapy I (C. Kappas)
<i>12-13</i>			Physics of Radiation Therapy I (K. Theodorou)	Physics of Radiation Therapy I (C. Kappas)	Physics of Radiation Therapy I (C. Kappas)
<i>13-14</i>			Physics of Radiation Therapy I (K. Theodorou)	Physics of Radiation Therapy I (C. Kappas)	Physics of Radiation Therapy I (C. Kappas)
<i>14-15</i>			Physics of Radiation Therapy I (K. Theodorou)		
<i>15-16</i>					
<i>16-17</i>					
<i>17-18</i>					

Subjects / Teachers:

K. Theodorou: Absolute dose calculation for photon beams (4) - Absolute dose calculation for electron beams (4) - Basic principles of radiation biology (4) - Introduction to Treatment Planning Systems (4)

C. Kappas: Basic correction factors for heterogeneities, Batho method, equivalent TAR method. Dose calculation involving heterogeneities.

NOTES:

MEDICAL PHYSICS

Second Term, Week 12

31 March - 04 April 2014

<i>Hours</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
<i>9-10</i>					
<i>10-11</i>		Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I
<i>11-12</i>		Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I
<i>12-13</i>	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I
<i>13-14</i>	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I
<i>14-15</i>	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	
<i>15-16</i>	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	
<i>16-17</i>	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	
<i>17-18</i>					

Subjects / Teachers:

A. Makridou: Relative dosimetry, introduction to treatment planning (12).- Practicals - Brachytherapy - Summary of the course (4) - Closure of Radiotherapy I cluster (4)

NOTES:

MEDICAL PHYSICS

Second Term, Week 13

07 - 11 April 2014

<i>Hours</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
<i>9-10</i>					
<i>10-11</i>		Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I
<i>11-12</i>		Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I
<i>12-13</i>	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I
<i>13-14</i>	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I
<i>14-15</i>	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	
<i>15-16</i>	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	
<i>16-17</i>	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	Physics of Radiation Therapy I	
<i>17-18</i>					

Subjects / Teachers:

A. Makridou: Radiation Therapy Practicals

MEDICAL PHYSICS

Second Term, Week 14

14 - 18 April 2014

<i>Hours</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
<i>9-10</i>	Eaaster Holidays				
<i>10-11</i>					
<i>11-12</i>					
<i>12-13</i>					
<i>13-14</i>					
<i>14-15</i>					
<i>15-16</i>					
<i>16-17</i>					
<i>17-18</i>					

MEDICAL PHYSICS

Second Term, Week 15

21 - 25 April 2014

<i>Hours</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>				
<i>9-10</i>									
<i>10-11</i>									
<i>11-12</i>									
<i>12-13</i>									
<i>13-14</i>						Eaaster Holidays			
<i>14-15</i>									
<i>15-16</i>									
<i>16-17</i>									
<i>17-18</i>									